

CLAIMS

What is claimed is:

1. A method to provide an Internet Protocol (IP) connection between a mobile station (MS) and a computing device (CD), comprising:

initiating the set up of the IP connection with a command sent from the CD to the MS over a local interface; and

in response to receiving over the local interface an IP message at the MS from the CD, routing the received IP message to an application that is resident in the MS.

2. A method as in claim 1, where the command is an AT command.

3. A method as in claim 1, where the command is an AT+CRM command.

4. A method as in claim 1, where the command is an AT+CRM command having a value of five.

5. A method as in claim 3, further comprising:

sending an ATD #777 command to the MS from the CD over the local interface to establish a call;

performing peer-to-peer protocol negotiations over the local interface; and

establishing the IP connection over the local interface.

6. A method as in claim 1, where the command places the MS into an auto-answer mode.

7. A method as in claim 1, where the command is an ATSO=1 command.

8. A method as in claim 6, further comprising:

in response to an occurrence of a trigger signal at the MS, sending a Ring signal to the CD over the local interface to establish a call;

performing peer-to-peer protocol negotiations over the local interface; and

establishing the IP connection over the local interface.

9. A method as in claim 1, where the local interface comprises a wired interface.

10. A method as in claim 1, where the local interface comprises a wireless interface.

11. A method as in claim 1, where the local interface comprises an RF interface.

12. A method as in claim 1, where the local interface comprises an IR interface.

13. A computer program stored in a computer readable medium within a mobile station (MS) to provide an Internet Protocol (IP) connection between the MS and a computing device (CD), comprising:

first computer program code, responsive to a receipt of a command from the CD over a local interface, to initiate the set up of the IP connection; and

second computer program code, responsive to receiving over the local interface an IP message from the CD, to route the received IP message to an application that is resident in the MS.

14. A computer program as in claim 13, where the command is an AT command.

15. A computer program as in claim 13, where the command is an AT+CRM command.

16. A computer program as in claim 13, where the command is an AT+CRM command

having a value of five.

17. A computer program as in claim 15, further comprising computer program code to send an ATD #777 command to the MS from the CD over the local interface to establish a call, to perform peer-to-peer protocol negotiations over the local interface and to establish the IP connection over the local interface.

18. A computer program as in claim 13, where the command places the MS into an auto-answer mode.

19. A computer program as in claim 13, where the command is an ATSO=1 command.

20. A computer program as in claim 18, further comprising computer program code, responsive to an occurrence of a trigger signal at the MS, to send a Ring signal to the CD over the local interface to establish a call, to perform peer-to-peer protocol negotiations over the local interface and to establish the IP connection over the local interface.

21. A computer program as in claim 13, where the local interface comprises a wired interface.

22. A computer program as in claim 13, where the local interface comprises a wireless interface.

23. A computer program as in claim 13, where the local interface comprises an RF interface.

24. A computer program as in claim 13, where the local interface comprises an IR interface.

25. A mobile station (MS) comprising a local interface and a cellular system interface, further comprising means to provide an Internet Protocol (IP) connection between said MS and a computing device (CD), said connection means comprising means, responsive to a receipt of a command from the CD over said local interface, to initiate the set up of

the IP connection; and means, responsive to receiving an IP message from the CD over said local interface, for routing the received IP message to an application that is resident in a memory of said MS.

26. A MS as in claim 25, where the command is an AT command.

27. A MS as in claim 25, where the command is an AT+CRM command.

28. A MS as in claim 25, where the command is an AT+CRM command having a value of five.

29. A MS as in claim 25, where the command places said MS into an auto-answer mode.

30. A MS as in claim 25, where the command is an ATSO=1 command.

31. A MS as in claim 25, where said local interface comprises at least one of a wired interface and a wireless interface.

32. A MS as in claim 25, where the IP connection is used by the MS to execute a peer-to-peer application with the CD.

33. A MS as in claim 32, where the peer-to-peer application comprises a Personal Information Management (PIM) application.

34. A MS as in claim 32, where the peer-to-peer application comprises one that enables data to be transferred from the MS to the CD for storage.

35. A MS as in claim 34, where the data comprises data generated by a camera of the MS.

36. A MS as in claim 32, where the peer-to-peer application comprises one that enables data to be transferred from the CD to the MS for storage.

37. A MS as in claim 36, where the data comprises music data.

38. A MS as in claim 32, where the peer-to-peer application comprises a synchronization application.

39. A MS as in claim 32, where the peer-to-peer application comprises a parameter provisioning application.

40. A MS as in claim 32, where the peer-to-peer application comprises a debugging application.